

C. Claims

The following is a complete listing of the claims, and replaces all earlier versions and listings.

1-13. (Cancelled)

14. (New) A process of manufacturing a catalyst layer for a fuel cell comprising ejecting onto a surface of a polymer electrolyte membrane or a surface of a diffusion layer by an ink-jet process droplets of a solution containing conductive particles carrying thereon a catalyst such that there are portions where the droplets are isolated and portions where the droplets partly overlap.

15. (New) The process according to claim 14, wherein the droplets are ejected onto the surface of the diffusion layer.

16. (New) A process of manufacturing a fuel cell comprising the steps of:

ejecting onto a surface of a polymer electrolyte membrane or a surface of a diffusion layer by an ink-jet process droplets of a solution containing conductive particles carrying thereon a catalyst such that there are portions where the droplets are isolated and portions where the droplets partly overlap; and

drying the surface of the polymer electrolyte membrane or the surface of the diffusion layer to form an electrode catalyst layer.

17. (New) The process according to claim 16, wherein the droplets are ejected onto the surface of the diffusion layer.